

SCRIBE LINE STRUCTURE

Abstract

The present invention provides a scribe line structure, which includes a substrate, a plurality of dielectric layers of low dielectric constant materials formed on the substrate, at least a process monitor pattern made of materials of metal formed between the dielectric layers, and a dummy metal structure connected to the process monitor pattern. The dummy metal structure includes a plurality of dummy metal layers and a plurality of dummy vias. The dummy metal structure is formed on the surface of the substrate and is exposed in the region of the scribe line, thus facilitating heat dissipation and energy release from the scribe line structure.